

HF-6597

Georgia Gulf HF-6597 is a high flow PVC compound designed for thin wall parts and multi-cavity molds. It is ideally suited for a variety of electrical and appliance applications.

General Properties	Test Method	Typical Value				
Specific Gravity	ASTM D-792	1.34				
Hardness, Rockwell R	ASTM D-785	97				
Mold Shrinkage, 10 ⁻³ in/in	ASTM D-955	3-4				
Flow Ratio (Distance/Wall Thickness, 390-400°F)	Georgia Gulf Test	230				
Mechanical Properties	Test Method	Typical Value				
Tensile Strength, psi	ASTM D-638	6,000				
Tensile Strength @ Break, psi	ASTM D-638	5,282				
Tensile Elongation @ Break, %	ASTM D-638	139.2				
Tensile Modulus, psi	ASTM D-638	390,000				
Flexural Strength, psi	ASTM D-790	9,800				
Flexural Modulus, psi	ASTM D-790	360,000				
Gardner Impact, 23°C, ½" R Tup	in-lbs in-lbs/mil	130 2.0				
1/8" Notched Izod Impact, ft-lbs/in @ 23°C 1/8" Notched Izod Impact, ft-lbs/in @ -20°C	ASTM D-256	15 1.5				
Thermal Properties	Test Method	Typical Value				
Heat Deflection Temperature, °C @ 66 psi Heat Deflection Temperature, °C @ 264 psi	ASTM D-648	72 70				
Regulatory/Code	Test Method	Typical Value				
Oxygen Index, %	ASTM D-2863	36				
Flame Class	UL-94	V-O/5VA				
UL Relative Thermal Index at 1.50 mm	UL-746B	<table border="1"> <tr> <td>Elec 90°C</td> <td>Mech 85°C</td> <td>With IMP 85°C</td> <td>Without IMP 90°C</td> </tr> </table>	Elec 90°C	Mech 85°C	With IMP 85°C	Without IMP 90°C
Elec 90°C	Mech 85°C	With IMP 85°C	Without IMP 90°C			
UL Weatherability Rating	UL-746C	F-1				

Reference: UL File #E53006. Note: All physical properties are based on injection molded test bars.

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. These values and sets of properties are based upon laboratory work with small scale equipment and do not necessarily indicate end product performance. Full scale testing and end product use and performance are the responsibility of the Buyer. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.
Typical Value may not be construed as product specifications.